L5: Entry 17 of 22 File: JPAB Dec 14, 1993

PUB-NO: JP405330845A
DOCUMENT-IDENTIFIER: JP 05330845 A
TITLE: PRODUCTION OF OPTICAL FIBER PREFORM

PUBN-DATE: December 14, 1993

INVENTOR-INFORMATION:

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APPL-NO: JP04142257
APPL-DATE: June 3, 1992

US-CL-CURRENT: 65/385
INT-CL (IPC): C03B 37/018; C03B 20/00; C03B 37/014; G02B 6/00

ABSTRACT:

PURPOSE: To increase the refractive index by placing a porous glass body contg. SiO2 in the atmosphere contg. O2 and a metal halide, diffusing the formed oxide of a dopant in the glass body and then vitrifying the glass body.

CONSTITUTION: Gaseous O2 and a metal halide such as GeCl4 forming a dopant to increase the refractive index by the reaction with O2 are introduced in a specified ratio into a quartz-glass reaction vessel 3 arranged in a sintering furnace 5. The vessel 3 is heated by a heat source 4, hence a porous glass body 2 held in the vessel 3 by a supporting rod 1 is heated, and the dopant is uniformly diffused in the porous glass body 2. The vessel 3 is then filled with a gaseous He atmosphere, the porous glass body is heated to a specified temp. and vitrified, and an optical fiber preform is obtained.

WEST

Freeform Search

Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Term: L36 and 111

Display: 10 **Documents in Display Format:** - **Starting with Number** 1

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Search History

DATE: Saturday, December 07, 2002 Printable Copy Create Case

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DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ			
L38	L36 and 111	36	L38

L37	L36 and l22	3	L37
L36	l33 or l35	579	L36
L35	((65/421 |65/422)!.CCLS.)	267	L35
L34	65/421-422	0	L34
L33	65/414	338	L33
L32	l3 and nickel	5	L32
L31	l3 and SiC	1	L31
L30	l3 and silicon carbide	1	L30
L29	l11 same silicon carbide	0	L29
L28	l11 same SiC	1	L28
L27	l11 same nickel	1	L27
L26	l14 and quartz	32	L26
L25	L24 not l23	3	L25
L24	L22 and optical fiber	8	L24
L23	L22 and l13	5	L23
L22	L21 or l20 or l18	84	L22
L21	l11 same plate	60	L21
L20	l11 same shield	9	L20
L19	L18 and l13	0	L19
L18	l11 same partition	20	L18
L17	l14 and nickel	2	L17
L16	l14 and silicon carbide	3	L16
L15	l12 same silicon carbide	0	L15
L14	L13 and l12	72	L14
L13	((65/$)!.CCLS.)	34616	L13
L12	L11	624	L12
L11	L10 same burner	624	L11
L10	L9 same l6	3207	L10
L9	L8 or l7	1752357	L9
L8	vessel	524526	L8
L7	chamber	1319402	L7

L6	soot	20208	L6
L5	L3 and partition	4	L5
L4	L3 and shield	19	L4
L3	L2 or l1	134	L3
L2	(((65/531)!.CCLS.))	73	L2
L1	((65/532)!.CCLS.)	65	L1

END OF SEARCH HISTORY